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0225

RAW SEQUENCE LISTING ERROR REPORT

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Application Serial Number: 10/099,791B
Source: PIPE
Date Processed by STIC: 2/21/03

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FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

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Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

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3. Hand Carry directly to:
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Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
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Revised 01/29/2002



Does Not Comply
Corrected Disclosure Needed

OIEP

RAW SEQUENCE LISTING

DATE: 02/21/2003

PATENT APPLICATION: US/10/099,791B

TIME: 09:53:16

Input Set : N:\vernette\10099791b.raw.txt

Output Set: N:\CRF4\02212003\J099791B.raw

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3 <110> APPLICANT: Heiskala, Marja
5 <120> TITLE OF INVENTION: REG-LIKE PROTEIN
7 <130> FILE REFERENCE: CEN0285
9 <140> CURRENT APPLICATION NUMBER: US/10/099,791B
C--> 11 <141> CURRENT FILING DATE: 2003-02-14
13 <160> NUMBER OF SEQ ID NOS: 45
15 <170> SOFTWARE: PatentIn version 3.0
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 477
19 <212> TYPE: DNA
20 <213> ORGANISM: homo sapiens
22 <400> SEQUENCE: 1
23 atggcttcca gaagcatgcg gctgctccta ttgctgagct gcctggccaa aacaggagtc      60
25 ctgggtgata tcatcatgag acccagctgt gtcctggat ggttttacca caagtccaat      120
27 tgctatgggt acttcaggaa gctgaggaac tggctctgat ccgagctcga gtgtcagtct      180
29 tacggaaacg gagccacct ggcatctatc ctgagtttaa aggaagccag caccatagca      240
31 gagtacataa gtggctatca gagaagccag ccgatatgga ttggcctgca cgaccacag      300
33 aagaggcagc agtggcagtg gattgatggg gccatgtatc tgtacagatc ctggtctggc      360
35 aagtccatgg gtgggaacaa gcactgtgct gagatgagct ccaataacaa ctttttaact      420
37 tggagcagca acgaatgcaa caagcgccaa cacttcctgt gcaagtaccg accatag      477
40 <210> SEQ ID NO: 2
41 <211> LENGTH: 158
42 <212> TYPE: PRT
43 <213> ORGANISM: homo sapiens
45 <400> SEQUENCE: 2
47 Met Ala Ser Arg Ser Met Arg Leu Leu Leu Leu Ser Cys Leu Ala
48 1          5          10          15
50 Lys Thr Gly Val Leu Gly Asp Ile Ile Met Arg Pro Ser Cys Ala Pro
51          20          25          30
53 Gly Trp Phe Tyr His Lys Ser Asn Cys Tyr Gly Tyr Phe Arg Lys Leu
54          35          40          45
56 Arg Asn Trp Ser Asp Ala Glu Leu Glu Cys Gln Ser Tyr Gly Asn Gly
57          50          55          60
59 Ala His Leu Ala Ser Ile Leu Ser Leu Lys Glu Ala Ser Thr Ile Ala
60 65          70          75          80
62 Glu Tyr Ile Ser Gly Tyr Gln Arg Ser Gln Pro Ile Trp Ile Gly Leu
63          85          90          95
65 His Asp Pro Gln Lys Arg Gln Gln Trp Gln Trp Ile Asp Gly Ala Met
66          100         105         110
68 Tyr Leu Tyr Arg Ser Trp Ser Gly Lys Ser Met Gly Gly Asn Lys His
69          115         120         125
71 Cys Ala Glu Met Ser Ser Asn Asn Asn Phe Leu Thr Trp Ser Ser Asn,
72          130         135         140

```

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Input Set : N:\vernette\10099791b.raw.txt

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74 Glu Cys Asn Lys Arg Gln His Phe Leu Cys Lys Tyr Arg Pro
75 145      150      155
77 <210> SEQ ID NO: 3
78 <211> LENGTH: 78
79 <212> TYPE: DNA
80 <213> ORGANISM: homo sapiens
82 <400> SEQUENCE: 3
83 atggcttcca gaagcatgcg gctgctccta ttgctgagct gcctggccaa aacaggagtc      60
85 ctgggtgata tcatcatg                                     78
88 <210> SEQ ID NO: 4
89 <211> LENGTH: 26
90 <212> TYPE: PRT
91 <213> ORGANISM: homo sapiens
93 <400> SEQUENCE: 4
95 Met Ala Ser Arg Ser Met Arg Leu Leu Leu Leu Ser Cys Leu Ala
96 1      5      10      15
98 Lys Thr Gly Val Leu Gly Asp Ile Ile Met
99      20      25
101 <210> SEQ ID NO: 5
102 <211> LENGTH: 17
103 <212> TYPE: PRT
104 <213> ORGANISM: homo sapiens
106 <400> SEQUENCE: 5
108 Cys Ala Glu Met Ser Ser Asn Asn Asn Phe Leu Thr Trp Ser Ser Asn
109 1      5      10      15
111 Glu
114 <210> SEQ ID NO: 6
115 <211> LENGTH: 25
116 <212> TYPE: PRT
117 <213> ORGANISM: homo sapiens
119 <400> SEQUENCE: 6
121 Cys Tyr Gly Tyr Phe Arg Lys Leu Arg Asn Trp Ser Asp Ala Glu Leu
122 1      5      10      15
123 Glu Cys Gln Ser Tyr Gly Asn Gly Ala
124      20      25
126 <210> SEQ ID NO: 7
127 <211> LENGTH: 23
128 <212> TYPE: PRT
129 <213> ORGANISM: homo sapiens
131 <400> SEQUENCE: 7
133 Trp Ile Asp Gly Ala Met Tyr Leu Tyr Arg Ser Trp Ser Gly Lys Ser
134 1      5      10      15
136 Met Gly Gly Asn Lys His Cys
137      20
139 <210> SEQ ID NO: 8
140 <211> LENGTH: 17
141 <212> TYPE: PRT
142 <213> ORGANISM: homo sapiens
144 <400> SEQUENCE: 8

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RAW SEQUENCE LISTING

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Input Set : N:\vernette\10099791b.raw.txt

Output Set: N:\CRF4\02212003\J099791B.raw

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146 Cys Ala Glu Met Ser Ser Asn Asn Asn Phe Leu Thr Trp Ser Ser Asn
147 1          5          10          15
149 Glu
152 <210> SEQ ID NO: 9
153 <211> LENGTH: 29
154 <212> TYPE: PRT
155 <213> ORGANISM: homo sapiens
157 <400> SEQUENCE: 9
159 Cys Ala Glu Met Ser Ser Asn Asn Asn Phe Leu Thr Trp Ser Ser Asn
160 1          5          10          15
162 Glu Cys Asn Lys Arg Gln His Phe Leu Cys Lys Tyr Arg
163          20          25
165 <210> SEQ ID NO: 10
166 <211> LENGTH: 27
167 <212> TYPE: PRT
168 <213> ORGANISM: homo sapiens
170 <400> SEQUENCE: 10
172 Cys Glu Tyr Ile Ser Gly Tyr Gln Arg Ser Gln Pro Ile Trp Ile Gly
173 1          5          10          15
175 Leu His Asp Pro Gln Lys Arg Gln Gln Trp Gln
176          20          25
178 <210> SEQ ID NO: 11
179 <211> LENGTH: 23
180 <212> TYPE: PRT
181 <213> ORGANISM: homo sapiens
183 <400> SEQUENCE: 11
185 Cys Gln Ser Tyr Gly Asn Gly Ala His Leu Ala Ser Ile Leu Ser Leu
186 1          5          10          15
188 Lys Glu Ala Ser Thr Ile Ala
189          20
191 <210> SEQ ID NO: 12
192 <211> LENGTH: 20
193 <212> TYPE: DNA
194 <213> ORGANISM: Artificial Sequence
W--> 196 <220> FEATURE:
W--> 196 <223> OTHER INFORMATION:
W--> 196 <400> 12
197 cagctgtgct cctggatggt 20
200 <210> SEQ ID NO: 13
201 <211> LENGTH: 20
202 <212> TYPE: DNA
203 <213> ORGANISM: Artificial Sequence
W--> 205 <220> FEATURE:
W--> 205 <223> OTHER INFORMATION:
W--> 205 <400> 13
206 tggtcggtac ttgcacagga 20
209 <210> SEQ ID NO: 14
210 <211> LENGTH: 20
211 <212> TYPE: DNA

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Explanation required for Artificial
Sequence — see p. 6

RAW SEQUENCE LISTING

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Input Set : N:\vernette\10099791b.raw.txt

Output Set: N:\CRF4\02212003\J099791B.raw

```

212 <213> ORGANISM: Artificial Sequence
W--> 214 <220> FEATURE:
W--> 214 <223> OTHER INFORMATION: ✓
W--> 214 <400> 14
215 ctcctattgc tgagctgcct 20
218 <210> SEQ ID NO: 15
219 <211> LENGTH: 20
220 <212> TYPE: DNA
221 <213> ORGANISM: Artificial Sequence
W--> 223 <220> FEATURE:
W--> 223 <223> OTHER INFORMATION: ✓
W--> 223 <400> 15
224 attcgttgct gctccaagtt 20
227 <210> SEQ ID NO: 16
228 <211> LENGTH: 19
229 <212> TYPE: DNA
230 <213> ORGANISM: Artificial Sequence
W--> 232 <220> FEATURE:
W--> 232 <223> OTHER INFORMATION: ✓
W--> 232 <400> 16
233 ttccagaagc atgcggctg 19
236 <210> SEQ ID NO: 17
237 <211> LENGTH: 19
238 <212> TYPE: DNA
239 <213> ORGANISM: Artificial Sequence
W--> 241 <220> FEATURE:
W--> 241 <223> OTHER INFORMATION: ✓
W--> 241 <400> 17
242 acaggaagtg ttggcgctt 19
245 <210> SEQ ID NO: 18
246 <211> LENGTH: 19
247 <212> TYPE: DNA
248 <213> ORGANISM: Artificial Sequence
W--> 250 <220> FEATURE:
W--> 250 <223> OTHER INFORMATION: ✓
W--> 250 <400> 18
251 atggcttcca gaagcatgc 19
254 <210> SEQ ID NO: 19
255 <211> LENGTH: 20
256 <212> TYPE: DNA
257 <213> ORGANISM: Artificial Sequence
W--> 259 <220> FEATURE:
W--> 259 <223> OTHER INFORMATION: ✓
W--> 259 <400> 19
260 ctatggtcgg tacttgcaca 20
262 <210> SEQ ID NO: 20
263 <211> LENGTH: 20
264 <212> TYPE: DNA
265 <213> ORGANISM: Artificial Sequence

```

RAW SEQUENCE LISTING

DATE: 02/21/2003

PATENT APPLICATION: US/10/099,791B

TIME: 09:53:16

Input Set : N:\vernette\10099791b.raw.txt

Output Set: N:\CRF4\02212003\J099791B.raw

```

W--> 267 <220> FEATURE:
W--> 267 <223> OTHER INFORMATION: /
W--> 267 <400> 20
      268 cttgctctat ggtcgggtact                                20
      271 <210> SEQ ID NO: 21
      272 <211> LENGTH: 21
      273 <212> TYPE: DNA
      274 <213> ORGANISM: Artificial Sequence
W--> 276 <220> FEATURE:
W--> 276 <223> OTHER INFORMATION: /
W--> 276 <400> 21
      277 actgggacca ctggagacac t                                21
      280 <210> SEQ ID NO: 22
      281 <211> LENGTH: 19
      282 <212> TYPE: DNA
      283 <213> ORGANISM: Artificial Sequence
W--> 285 <220> FEATURE:
W--> 285 <223> OTHER INFORMATION: /
W--> 285 <400> 22
      286 gagacactga agaaggcag                                  19
      289 <210> SEQ ID NO: 23
      290 <211> LENGTH: 20
      291 <212> TYPE: DNA
      292 <213> ORGANISM: Artificial Sequence
W--> 294 <220> FEATURE:
W--> 294 <223> OTHER INFORMATION: /
W--> 294 <400> 23
      295 agacccagct gtttcatagg                                20
      298 <210> SEQ ID NO: 24
      299 <211> LENGTH: 20
      300 <212> TYPE: DNA
      301 <213> ORGANISM: Artificial Sequence
W--> 303 <220> FEATURE:
W--> 303 <223> OTHER INFORMATION: /
W--> 303 <400> 24
      304 aatggagaga gggcagaagg                                20
      307 <210> SEQ ID NO: 25
      308 <211> LENGTH: 23
      309 <212> TYPE: DNA
      310 <213> ORGANISM: Artificial Sequence
W--> 312 <220> FEATURE:
W--> 312 <223> OTHER INFORMATION: /
W--> 312 <400> 25
      313 tgatatcatc atgagaccca gct                            23
      316 <210> SEQ ID NO: 26
      317 <211> LENGTH: 21
      318 <212> TYPE: DNA
      319 <213> ORGANISM: Artificial Sequence
W--> 321 <220> FEATURE:

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 02/21/2003
PATENT APPLICATION: US/10/099,791B TIME: 09:53:17

Input Set : N:\vernette\10099791b.raw.txt
Output Set: N:\CRF4\02212003\J099791B.raw

Use of <220> Feature (NEW RULES):

Sequence(s) are missing the <220> Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence"
or "Unknown". Please explain source of genetic material in <220> to <223>
section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32)
(Sec. 1.823 of new Rules)

Seq#: 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35
Seq#: 36, 37, 38, 39, 40, 41, 42, 43, 44, 45

VERIFICATION SUMMARY

DATE: 02/21/2003

PATENT APPLICATION: US/10/099,791B

TIME: 09:53:17

Input Set : N:\vernnette\10099791b.raw.txt

Output Set: N:\CRF4\02212003\J099791B.raw

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:196 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:12, <213>
ORGANISM:Artificial Sequence
L:196 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:12, <213>
ORGANISM:Artificial Sequence
L:196 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:12,Line#:196
L:205 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:13, <213>
ORGANISM:Artificial Sequence
L:205 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:13, <213>
ORGANISM:Artificial Sequence
L:205 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:13,Line#:205
L:214 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:14, <213>
ORGANISM:Artificial Sequence
L:214 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:14, <213>
ORGANISM:Artificial Sequence
L:214 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:14,Line#:214
L:223 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:15, <213>
ORGANISM:Artificial Sequence
L:223 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:15, <213>
ORGANISM:Artificial Sequence
L:223 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:15,Line#:223
L:232 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:16, <213>
ORGANISM:Artificial Sequence
L:232 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:16, <213>
ORGANISM:Artificial Sequence
L:232 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:16,Line#:232
L:241 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:17, <213>
ORGANISM:Artificial Sequence
L:241 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:17, <213>
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L:241 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:17,Line#:241
L:250 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:18, <213>
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L:250 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:18, <213>
ORGANISM:Artificial Sequence
L:250 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:18,Line#:250
L:259 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:19, <213>
ORGANISM:Artificial Sequence
L:259 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:19, <213>
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L:259 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:19,Line#:259
L:267 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:20, <213>
ORGANISM:Artificial Sequence
L:267 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:20, <213>
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L:267 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:20,Line#:267
L:276 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:21, <213>
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L:276 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:21, <213>
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L:285 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:22, <213>
ORGANISM:Artificial Sequence

L:285 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:22, <213>
ORGANISM:Artificial Sequence
L:285 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:22,Line#:285
L:294 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:23, <213>
ORGANISM:Artificial Sequence
L:294 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:23, <213>
ORGANISM:Artificial Sequence
L:294 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:23,Line#:294
L:303 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:24, <213>
ORGANISM:Artificial Sequence
L:303 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:24, <213>
ORGANISM:Artificial Sequence
L:303 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:24,Line#:303
L:312 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:25, <213>
ORGANISM:Artificial Sequence
L:312 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:25, <213>
ORGANISM:Artificial Sequence
L:312 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:25,Line#:312
L:321 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:26, <213>
ORGANISM:Artificial Sequence
L:321 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:26, <213>
ORGANISM:Artificial Sequence
L:321 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:26,Line#:321
L:330 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:27, <213>
ORGANISM:Artificial Sequence
L:330 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:27, <213>
ORGANISM:Artificial Sequence

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Input Set : N:\vernette\10099791b.raw.txt

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L:330 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:27,Line#:330
L:339 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:28, <213>
ORGANISM:Artificial Sequence
L:339 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:28, <213>
ORGANISM:Artificial Sequence